

at least two electrodes; and

an electroactive polymer arranged in a manner which causes a change in electric field in response to a net area decrease of the polymer for the area orthogonal to the thickness, wherein the electroactive polymer has an elastic modulus at most about 100 MPa without electrical energy applied thereto.

24. (Once Amended) A generator for converting from electrical energy to mechanical energy, the generator comprising:

at least one transducer, each transducer comprising:

at least two electrodes, and

an electroactive polymer arranged in a manner which causes a change in electric field in response to a deflection applied to a first portion of the polymer; and

a frame attached to a second portion of the polymer, the frame comprising at least one aperture, wherein the first portion of the polymer is arranged in a manner which causes a change in electric field in response to a deflection applied to a third portion of the polymer.

28. (Once Amended) A generator for converting mechanical energy in a first direction into electrical energy, the generator comprising:

at least one transducer, each transducer comprising:

at least two electrodes, and

an electroactive polymer arranged in a manner which causes a change in electric field in response to a deflection in the first direction; and

a flexible frame coupled to the polymer, the frame providing improved conversion from mechanical to electrical energy for the at least one transducer.

33. (Once Amended) A generator for converting mechanical energy in a first direction into electrical energy, the generator comprising:

at least one transducer, each transducer comprising:

at least two electrodes, and

an electroactive polymer arranged in a manner which causes a change in electric field in response to a deflection in the first direction; and

at least one stiff member coupled to the at least one transducer, the at least one stiff member substantially preventing displacement in a second direction.

REMARKS

Claims 1-36 are pending in the application. Claims 1-36 are rejected. Claims 1, 8, 21, 24, 28 and 33 were amended to clarify the present invention. Applicants